MERIT DEMO GUIDE (MERIT Barney-style)

Background (from PowerPoint Presentation):

- ('00-'02) Different initiatives underway to look at the way the Marine Corps tracks readiness. Material Readiness (MR) IPT was chartered to examine problems and capture the requirements. They found:
 - Data on different desktops; could not see readiness in one place.
 - Each unit, and even Marines within one unit, might be using different data or reporting the numbers differently.
 - Units had to create internal reports to show supply and maintenance information on the same page.
 - Marines from III MEF were working on aggregating supply and Maintenance information. Their input proved to be valuable to the MRIPT.
 - MRIPT determined we needed "One Watch" and needed visibility across all levels of the Marine Corps (a PFC in a maintenance shop should see the same data as the Commandant).
 - Re-engineering of business processes occurred (readiness reporting went from once a week to daily, began reporting readiness on all TAMCNs, etc.)
 - Took requirements to CTC (Concurrent Technologies Corp), who web enabled the info and produced MERIT (IOC in 2002, FOC 2003).

- We continue to work with CTC daily to mold MERIT into something the users want

- This gives us buy-in from the community (communication, suggestions), and ensures we get what we actually WANT or NEED (not necessarily what we asked for).

Data Sources:

MARES – Readiness MIMMS - Maintenance SASSY – Supply SCS – Wholesale

- MERIT **is non-transactional**. It is a Decision Support Tool that puts data from legacy systems into an Oracle DB (Switching from Oracle 9I to 10G).
- MERIT used to only deal with readiness reportable equipment that updated once a week. It has gone from once a week to seven days a week. It updates between 0730 and 1000.
- Three things needed to track readiness: authorized, possessed, and deadlined information. SASSY is used for non-reportable info (OH and AUTH), MIMMS provides information on deadlines (DL). S, R, and MR Ratings are calculated for non-reportables.
- Versions of MERIT are on NIPR and SIPR (SIPR not more secure, just enables broader access).
- MERIT is the transition between the legacy systems and GCSS. GCSS may incorporate info from MERIT, or completely replace it. At a minimum, the info in the Merit DB will be valuable in the future.

HOME PAGE

Different displays of same data. Show different drop down tabs. Talk about Ticker

HOME (Takes user back to the home page)

READINESS MAP (Takes user to readiness map, which is discussed in detail on page 8)

TABULAR READINESS (Takes user to tabular readiness section, which is discussed in more detail on page 3)

SEARCH (Allows user to search READINESS, NON-REPORTABLES, EQUIPMENT, PARTS, TAM REPORTS, DODAACS, CHARTS, and ENTERPRISE. Search is discussed in more detail on page 9).

CUSTOMIZE (Preferences, Email Alerts, Readiness Parameters, MY MERIT TAMCNs)

PREFERENCES: User preferences. User can change phone number, email address, etc

EMAIL ALERTS: Used to set up thresholds for units or equipment. When these thresholds are crossed, an email is sent to inform the user.

** Must have TAMCNs in My MERIT

READINESS PARAMETERS: User can change colors to match what he or she wants to see for different readiness parameters.

** Only seen in MY MERIT

MY MERIT TAMCNs: User can select TAMCNs he or she wants to monitor.

CONTACT (Apply for Access, Feedback)

FEEDBACK: Feedback Types -Enhancement, Bugs, General comments used to send feedback. Documentation Files can be downloaded to provide screen shots, records, etc.

HELP (Click to get HELP ON THIS PAGE, access to the USER GUIDE, FAQ, and FEATURES).

USMC TABULAR READINESS

(View readiness information in tabular form)

By Reportable

By Organization

MEF Readiness MSC Readiness Unit Readiness

By Commodity

By Functional Area By Non-Reportable

BY REPORTABLE > BY COMMODITY ID-COM-4A

This is a rolled up picture at the Marine Corps level by commodity.

The term **MEF** is used liberally. It's really just a level of data.

MEF 5 (Hawaii) – FMF PAC and Rad Bn

MEF 6 – MPF (MPS, Caves)

MEF 7 - Deployed MEF

MEF 8 – Bases, Posts and Stations

ICONS

SCROLL: Click to enable scroll function. Keeps headers in place when scrolling through tables.

MY MERIT: Shows (filters) My Merit TAMCNs that users build into a portfolio.

MEE (Mission Essential Equipment):

Narrows view to TAMCNs identified as MEE in MCBUL 3000. User can filter on MEE, NON MEE or when disabled it shows all MC Bul 3000 TAMCNs

READINESS CHART: Developed from requests to develop charts. Everyone has his or her own preferences, so we have gotten out of the chart making business. (**Move, Shoot, or Communicate FAs**) Shows weekly data of MR Rating for FAs.

EXCEL: Downloads currently displayed data into an Excel spreadsheet. For ID-COM and ID-FA pages, SASSY numbers are added to the far right side of the Excel spreadsheet

WSG (DLA): (Weapon Systems Group) used mostly by DLA. Can see WSG codes A, B, or C.

TAM REPORT: Goes right to a unit's TAM Report. (Not visible on all screens)

CONTROL CHART: This allows the user to input units of time in order to create a chart to track TAMCNs. It can be seen at lowest unit level when TAMCNs are selected. (Not visible on all screens)

HISTORICAL VIEW CHART: Chart is displayed in selected units of time to show readiness history for a unit's TAMCNs.

TABLES

TABLES

Top table is the MC level (or aggregate unit level), and the **bottom table** is the MEF level (or smaller unit). Data in bottom table rolls up to populate the top table.

Can Sort by header title in the columns. **Arrow indicates what column is being sorted.**

HYPERLINKS: Can drill down. Numbers that are hyperlinked in the **Authorized** or **Possessed** columns (i.e., <u>42</u>) indicate a discrepancy exists between MARES and SASSY. In the **D/L** column, a blue hyperlink is good.

** Many numbers do not match (SASSY and MARES) at the USMC level. The more you drill down (look at individual units) the more the numbers match.

COLORS: Established by MRIPT (Material Readiness Integrated Process Team).

USMC REPORTABLE READINESS TABLE (ID-COM-4A)
COLORS in D/L Column:

BLUE: No problems with data. Successful Match between MARES and MIMMS.

RED: MIMMS and MARES do not match. Can drill down to find exact problem.

LM2 DEADLINE READINESS REPORT (ANLZ-DL-0)

(Drill down into D/L Column for EROs with NMCS status)

There is a chart available to illustrate what the different colors in the ERO column stand for.

COLORS FOR EROS

Repair Order Column Legend	
Blue:	MARES Reportable Deadline in MIMMS
<u>Yellow</u> :	Open in MIMMS and either Not Deadlined or Not MARES Reportable
<u>Red</u> :	Closed in MIMMS
<u>Gray</u> :	No confirmed match in MIMMS for the MARES Record
<u>Black</u> :	No confirmed match in MARES for the MIMMS Record

LM2 DEADLINE READINESS REPORT Continued

** Can click on UIC for Unit TAMCN Report or click on View Parts On Order.

VIEW PARTS ON ORDER:

PARTS ON ORDER (ANLZ-PART-1)

- This illustrates the parts on order for the selected unit/commodity. Users can view open, closed, or all records. It is also possible to drill down into individual NSNs on this page or View by Document Number. Users can also see High Days, Low Days, or Mean Days for each NSN.

VIEW PRIME NSNs Takes users to a screen that illustrates all the RECORD NSNs for a unit/commodity. The user can sort by High Days, Low Days, or Mean Days to highlight the length of time it takes for NSNs to be received. This is a good way to see what NSNs take the longest and from which SOS they are coming. By clicking on an NSN, users can get to the individual ERO, which takes them to the Maintenance History Screen as Well.

VIEW BY DOCUMENT NUMBER (ANLZ-PART-2)

-Clicking on the Document Number brings users to a screen that illustrates DASF information (Header and Trailer info). Users can click on **VIEW BY NSN** from this page as well.

** The reason some document numbers are black without links is because this screen shows MIMMS data and the lack of a hyperlink means it is not active in SASSY. By checking the box to "view all" rather than "open records", users can see information in the date received column. Records without date-received data should be reconciled.

UNIT TAM REPORT (ANLZ-MAINT-1)

Click the **UIC** to get to this page. This shows the maintenance information for the given unit. There is a link to the **UND A/B REPORT** on this page as well as links to **SHORT PARTS**. Users can also sort by Days in Shop on this page.

** A pretty cool tool is the NPI (No Parts Indicator) column. This allows users to see a discrepancy between maintenance and supply right away.

ERO-SERIAL NUMBER PAGE (ANLZ-ERO-1)

➤ By clicking on an individual **ERO**, users can get to a screen to **VIEW MAINTENANCE HISTORY**, see **DESCRIPTION OF WORK**,

and see **PARTS** information. This screen also shows the ERO information.

- Clicking the PARTS tab allows users to see information for all parts on order and the document numbers for each.

MAINTENANCE HISTORY (ANLZ-MAINT-3)

This page shows the maintenance history for the serial number. The **DAYS DEADLINED** and **DAYS** in **SHOP** data can be used to identify hangar queens. This also allows users to see who was the last unit reporting maintenance.

UNIT REPORTABLE READINESS (LM2) BY COMMODITY (ID-COM-1A)

To get to this screen, users must drill down to the small unit level (individual unit). This will give the LM2 by commodity in the **top table**, and the individual TAMCNs in the **bottom table**. Users also can toggle to **FUNCTIONAL AREA** or **UP TO MSC LEVEL**.

- It is also possible drill down to individual **TAMCNs** and view any **RM4 REMARKS** on this page.
- *** Exporting tables to Excel allows users to view SASSY numbers as well (on the far right of the spreadsheet).

TABULAR READINESS BY ORGANIZATION (ID-ORG-3)

This allows users to view readiness by organization (MEF, MSC, or unit level) rather than by commodity. It is very similar in functionality to the tabular readiness by commodity tab.

TABULAR READINESS BY NON-REPORTABLE (ID-NR-4)

** Readiness is calculated from SASSY data (what we got from SASSY, not what was inputed).

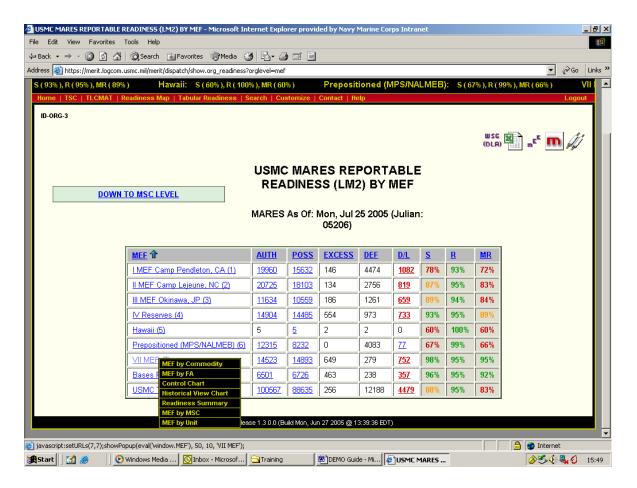
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S-RATING = OH/AUTH
R-RATING = (OH-D/L)/OH
MR-RATING = (OH-D/L)/AUTH or (S x R)
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The Non-Reportable tab does not have all the functionality that the readiness tab does. There is no comparison between MIMMS and MARES because the equipment is not in MARES.

ORGANIZATIONAL SUMMARY PAGE (ID-ORG-4)

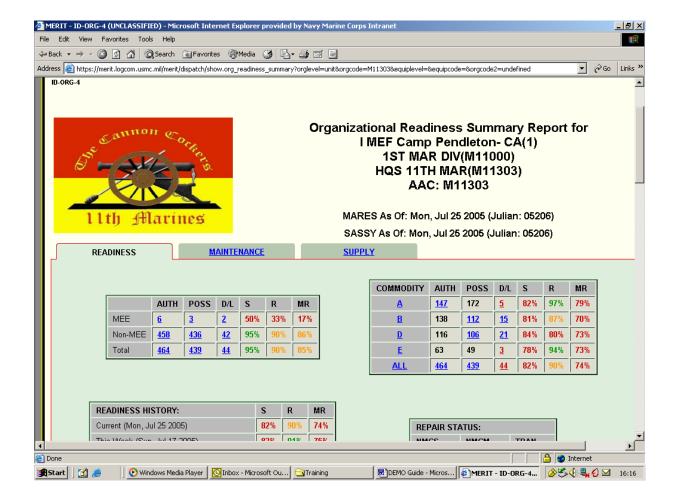
These pages were expanded to include tabs for Readiness, Maintenance, and Supply. They are intended to provide a commander's view of the organization. Hyperlinks allow the user to drill down even further into the data. To get to the page with these tabs do the following:

- 1. Mouse over "Tabular Readiness" at the top of the home page.
- 2. Then, mouse over "By Reportable", then "By Organization".
- 3. Depending on what level the user is interested in, left click on either "MEF Readiness" (ID-ORG-3), "MSC Readiness" (ID-ORG-2), or Unit Readiness" (ID-ORG-1).
- 4. Once the page opens, left click on the desired unit. This will provide the options shown below:



5. Left click on the "Readiness Summary" link

6. The page defaults to show the "Readiness Tab" page in detail. To see the "Maintenance Summary" or "Supply Summary" pages, left click on the respective tab (see snapshot below).



READINESS TAB

This page has two tables that illustrate the **readiness summary** (Auth, Poss, D/L, S, R, and MR) by **MEE**, **Non-MEE**, **By Commodity**, or **By Total**.

The **Readiness History** Table illustrates the unit's history by **current, week**, **month, quarter**, and **year**.

The Repair Status table shows deadlines by NMCS, NMCM, and TRAN

The **Equipment Deadlined Duration** table illustrates reportable and non-reportable equipment by duration of days deadlined. The **LM2 Discrepancy** table illustrates LM2 discrepancies between the LM2, MIMMS and SASSY.

Finally, the **MEE** and **Non-MEE** Readiness Breakdown table provides an overview for the unit's TAMCNs.

MAINTENANCE TAB

The Supply (S) and Readiness (R), and Material Readiness (MR) tables break down readiness for MEE and Non-MEE by S, R, and MR rating respectively.

The **Top 10 Oldest Deadlined Equipment** table displays the equipment that has been deadlined the longest for that unit. This table helps identify "Hangar Queens". Hyperlinks to each ERO make it easy for users to drill down further to identify trends.

The All MEE Within: (unit) table summarizes all Major Essential Equipment for that unit.

SUPPLY TAB

This page is the first one dedicated solely to supply within MERIT.

The **Requisitions Overview** table is a DASF management tool that was designed to assist DASF clerks in helping them identify which requisitions need to be worked first. It breaks down the requisitions by **Good**, **Review Recommended**, and **Action Required** for **MARES Reportable**, **Non-MARES Reportable**, **Other Repair Parts**, **PEIs**, and **Other Requisitions**. By clicking on the hyperlinks, users can identify the status of the requisition and what steps need to be taken (if any) for each. The document numbers are color coded as well (see below).

Document Number Column Legend

Green: Active requisition with good status

Blue: Management review recommended

Yellow: Aged shipment

Red: Dead requisition

Gray: Lonesome demand

The SAC 3 Deficiencies (MARES Only) table shows all MARES reportable SAC 3 deficiencies along with any SAC 3 items on order by commodity. Hyperlinks to the actual NSN allow users to see more detail for each NSN.

The **Top 5 NSN On Order By UND** table shows the most frequently ordered NSNs by UND. This enables users to identify fast movers. The AVG Age allows

users to see which parts take the longest to receive. Hyperlinks to the actual NSN allow users to see more detail for each NSN.

The **Top 5 Oldest Requisitions By UND** table shows which parts are taking the longest to receive as well. Hyperlinks to the document numbers allow the user to drill down further.

The **SAC 3 Deficiencies** (**Non MARES**) table shows the same information as the MARES only table for non-reportable equipment.

USMC READINESS MAP

(Drill down with a graphical interface)

By TAMCN

USMC by TAMCN
MEF by TAMCN
MEF by MSC (all MEFs)

By Organization

USMC by MEF USMC by MSC USMC by Unit

The readiness map portion only shows **reportable TAMCNs**. Therefore, the information is gathered only from MARES, not SASSY.

*** It is a COTS software Package (**Hive Group**). Same group is used by **Smartmoney.com** to track stocks on the Internet.

This page allows you to view information in many different ways.

- Users can view either by TAMCN or organization, and they can change the colors to match personal preferences.
- **SIZE** and **COLOR** do matter on this page. The sizes and colors of the individual boxes (TAMCNs or UNITS) enables users to spot discrepancies in a matter of seconds.
- Users can view the size and color by various views of S, R, or MR Readiness.
- When looking at the View by TAMCN page, users can filter the page by FA, MY MERIT TAMCNs, and by ITEM. It is also possible to SEARCH by TAMCN, TAMCN TITLE, and label by MY MERIT, EXCESS, DEFICIENCY, and MEE.
- When looking at the **View by ORGANIZATION** page, users can **filter** the page by certain **organizations**, and filter and label by **ITEMS**.

By Clicking on an **INDIVIDUAL BOX** on the map, users have many more options: You can:

- View DEADLINED ITEMS, CONTROL CHARTS, TABULAR DATA, ORGANIZATIONAL READINESS, HISTORICAL VIEWS
- Add to MY MERIT
- TRACK organization or TAMCN.

Users can also click on TABS on top of page to go directly to USMC by TAMCN, USMC by MEF or each of the individual MEFs

*** You will only see excesses by individual TAMCN. When viewing rolled up commodities, excesses are not seen (cannot combine Tanks and Howitzers).

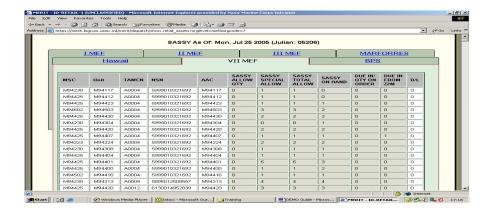
SEARCH USMC READINESS (*ID-SEARCH-4A*)

The search feature allows the user to access much of the same information as the **tabular readiness** and **readiness map pages**. Once the search tab is clicked (either on the toolbar or on the main menu), the user has the option of searching **PARTS**, **DODAAC**, **ENTERPRISE**, **CHARTS**, **READINESS**, **NON-REPORTABLE**, **EQUIPMENT**, and **TAM REPORTS**. Each of these tabs is explained below.

PARTS: Allows user to search by part (NSN) or document number.

DODAAC: Allows user to search for an AAC (Activity Address Code).

ENTERPRISE: Allows user to conduct an enterprise search by TAMCN. Users Can choose to search by **TAMCN**, **Wholesale**, or **Out of Stores** (**by MEF**). When searching by MEF, the user can see SASSY numbers (see picture below).



CHARTS: Allows user to create control charts by TAMCN and Organization. The user can utilize the **lookup** function by tabular readiness or the readiness map.

READINESS: Allows user to search readiness by organizational and equipment

level. Utilizing the **lookup** feature at the **organizational level**, the user can search by **USMC**, **MEF**, **MSC**, or **UNIT**. At the **equipment level**, the user can search by **ALL**, **COMMODITY**, **FA**, **TAMCN**, or **WSDC**.

NON-REPORTABLE: Allows users to search readiness for non-reportable by organizational and equipment level. Utilizing the lookup feature at the organizational level, the user can search by USMC, MEF, MSC, or UNIT. At the equipment level, the user can search by ALL, COMMODITY, or TAMCN.

EQUIPMENT: Allows user to search for equipment by ERO, WON, TASK, NSN or NIIN for SERIAL NUMBER, or by SERIAL NUMBER alone. Utilizing the lookup feature, the user can find TAMCNs when searching for a specific serial number.

TAM REPORT: Allows users to search for unit TAM Reports by **TAMCN** and **UNIT.** The lookup feature is available to assist the user in finding the correct TAMCN and UNIT.

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LIST OF ACRONYMS

	Activity Address Code
AdvCd	Advice Code
AIS	Automated Information Systems

AIT	Automated Information Technology
APML	Assistant Program Manager for Logistics
APM-LIS	Assistant Program Manager for Logistics Information Systems
ATE	Automatic Test Equipment
ATLASS	Asset Tracking Logistics And Supply System
ATLASS II +	Asset Tracking Logistics And Supply System II Plus
AVN	Aviation
BIC	Blount Island Command
BP&S	Bases, Posts, and Stations
C4I	Command, Control, Communications, Computers & Intelligence
CAGE Code	Commercial and Government Entity Code
CAPS	Command Automated Planning System
CAT	Category Code
CBG	Combat Ground Weapons
CCA	Circuit Card Assembly
CD	Compact Disc
CINC	Commander in Chief
CMC	Commandant of the Marine Corps
CSLE	Combat Service Logistics Equipment
CTC	Concurrent Technologies Corporation
DAASC	Defense Automated Addressing Services Center
DCD	Deadlined Control Date
DLA	Defense Logistics Agency
DLMP	Depot level maintenance plan
DLSC	Defense Logistics Services Center
DOCNO	Document Number
DoD	Department of Defense
DoDAAC	Department of Defense Automatic Addressing Code
DoDAAD	Department of Defense Automatic Address Directory
DON	Department of the Navy
Dris	Date received in shop
DSS	Depot Standard System
DT-SHIP	Date Shipped
DtRcvCnc	Date Received/Cancelled
Ech	Echelon

ECP	Engineering Change Proposal
ERO	Equipment Repair Order
ESD	Estimated Ship Date
FA	Functional Area
FAQ	Frequently Asked Questions
FLIS	Federal Logistics Information System
FMF	Fleet Marine Force
FOC	Final Operational Capability
FSC	Federal Supply Class
FTP	File Transfer Protocol
GCSS-MC	Global Combat Support System - Marine Corps
GSA	General Services Agency
GTN	Government Transportation Network
GUI	Graphical User Interface
HQMC	Headquarters Marine Corps
I MEF	First Marine Expeditionary Force
I&L	Installations and Logistics
IAT	Investment Advisor Toolkit
ICP	Inventory Control Point
ID	Item Description
II MEF	Second Marine Expeditionary Force
III MEF	Third Marine Expeditionary Force
IOC	Initial Operational Capability
IPT	Integrated Product Team
ISMO	Information Systems Management Office
Item Apps	Item Applications
LCM	Life Cycle Management
LCMC	Life Cycle Management Center
LCMI	Life Cycle Modeling Initiative
LDR	Logistics Data Repository
LMIS	Logistics Management information System
LOGBASES	Marine Corps Logistics Bases
LOGCOM	USMC Logistics Command
MARCORLOGBASES	Marine Corps Logistics Bases
MARCORMATCOM	Marine Corps Materiel Command

MARCORSYSCOM	Marine Corps Systems Command
MARFOR	Marine Force
MARFORRES	Marine Force Reserves
MC	US Marine Corps
MCA	Maintenance Center Albany
MCB	Maintenance Center Barstow
MCDSS	Marine Corps Decision Support System
MCGERR	Marine Corps Ground equipment readiness report
MCLB	Marine Corps Logistics Bases
MCSC	Marine Corps Systems Command
MCSN	Marine Corps Stock Number
MEF	Marine Expeditionary Force
MERIT	Marine Corps Equipment Readiness Information Tool
MIMMS	Marine Corps Integrated Maintenance Management System
MLCM	Materiel Life Cycle Management
MPF	Maritime Prepositioned Force
MR	Material Readiness Rating
MRAM	Material Readiness Assessment Module
MSC	Major Subordinate Command
MWS	Master Work Schedule
NMCS	Not Mission Capable Supply Indicator
NMCM	Not Mission Capable Maintenance Indicator
NPI	No Parts Indicator
NSN	National Stock Number
OCR1	Operational Capability Release One
ODS	Operational Data Store
OIPT	Overarching Integrated Product Team
Ops	Operations
PEI	Principle End Items
PFSA	Post Fielding Support Analysis
PM	Program Manager
PMs/Pos	Program Manager/Project Officer
PRI	Priority
QTY	Quantity
R	Maintenance Rating

RDD	Required Delivery Date
RIC	Routing Identifier Code
S	Supply Rating
S&A	Studies and Analysis
SASSY	Supported Activities Supply System
SCM	Supply Chain Management
SCOPE	Supply Chain Operations Performance Enabler
SCS	Stock Control System
SECREP	Secondary Reparables
SMRC	Source, Maintenance, Recoverability Code
SORTS	Status of Resources and Training System
SSR	Supply support request
STAT	Status Code
StatDt	Status Date
SYSCOM	Systems Command
TAMCN	Table of Authorized Material Control Number
TAV	Total Asset Visibility
TMDE	Test, Measurement & Diagnostic Equipment
TOC	Total Ownership Cost
UAC	Unit Address Code/Unit Activity Code
UI	Unit of Issue
UIC	Unit Identification Code
USMC	United States Marine Corps
VI	Elsinore Technologies' Visual Intercept
VLIPS	Visual Logistics Information Processing System
WSDC	Weapon System Designator Code
WSM	Weapon System Manager
WSSP	Weapon System Support System